SPECIAL DATA COLLECTION SYSTEM (SDCS) EVENT REPORT, NTS EVENT 'LEYDEN', 26 NOVEMBER 1975

TELEDYNE GEOTECH

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
NTS Event "LEYDEN", 26 November 1975

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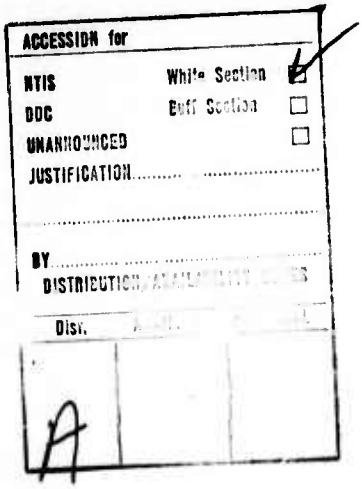


SDCS EVENT REPORT NO. 73

NTS Event "LEYDEN", 26 November 1975

All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at RK-ON and LASA. Possible "P" arrivals for this event are indicated on the CPSO and HN-ME plots. FN-WV short-period data were not recoverable from the analog tape. NORSAR did not report a "P" arrival for this event. Horizontal SP channels at HN-ME, CPSO, RK-ON, and WH2YK were rotated.

HN-ME, CPSO, RK-ON, WH2YK and LASA did not record long-period signals for this event and are not included in this report. FN-WV long-period data were not recoverable from the analog tape. ALPA and NORSAR long-period data were not recoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of the LASA short-period plot. LASA SP scaling factors are millimicrons per inch.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14 00.0 N 147 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

Note: The orientation of the radial instruments at FN-WV is assumed to be 316° ± 5° based on empirical data (event recordings). Rotation, where performed, is referenced to this azimuth and may be questionable.

DATA SUMMARY

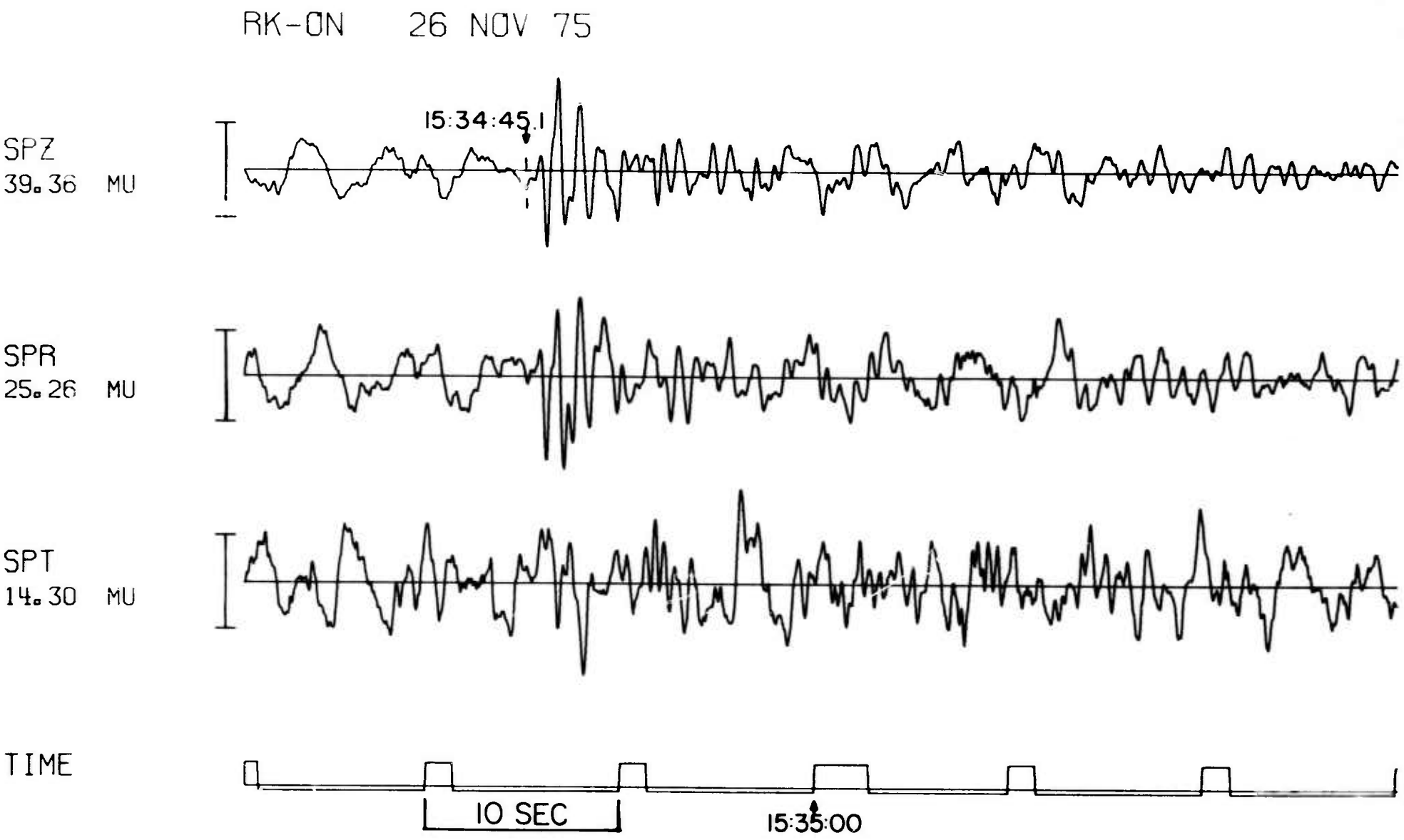
26 Nov 75

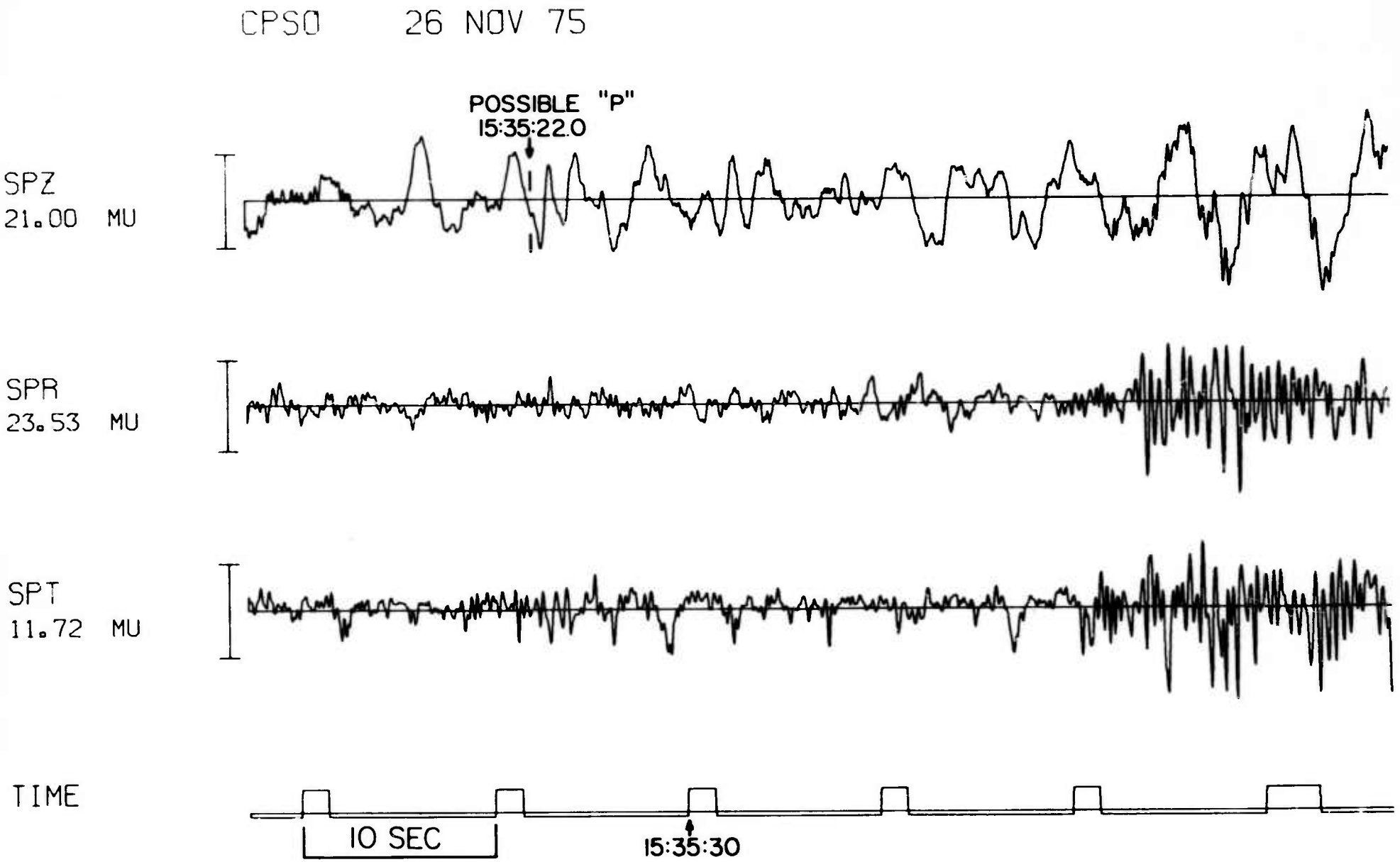
STA	PHASE	ARRIVAL TIME	INST.	PER.	A/T	MAGNITUDE* m_b	MAGNITUDE* M_s	DIST.** (Deg.)
LD1	EP	15:32:58.1	SAB	1.1	586.3	6.6	--	12.1
RK-ON	EP	15:34:45.1	SPZ	0.6	36.3	4.4	--	21.1

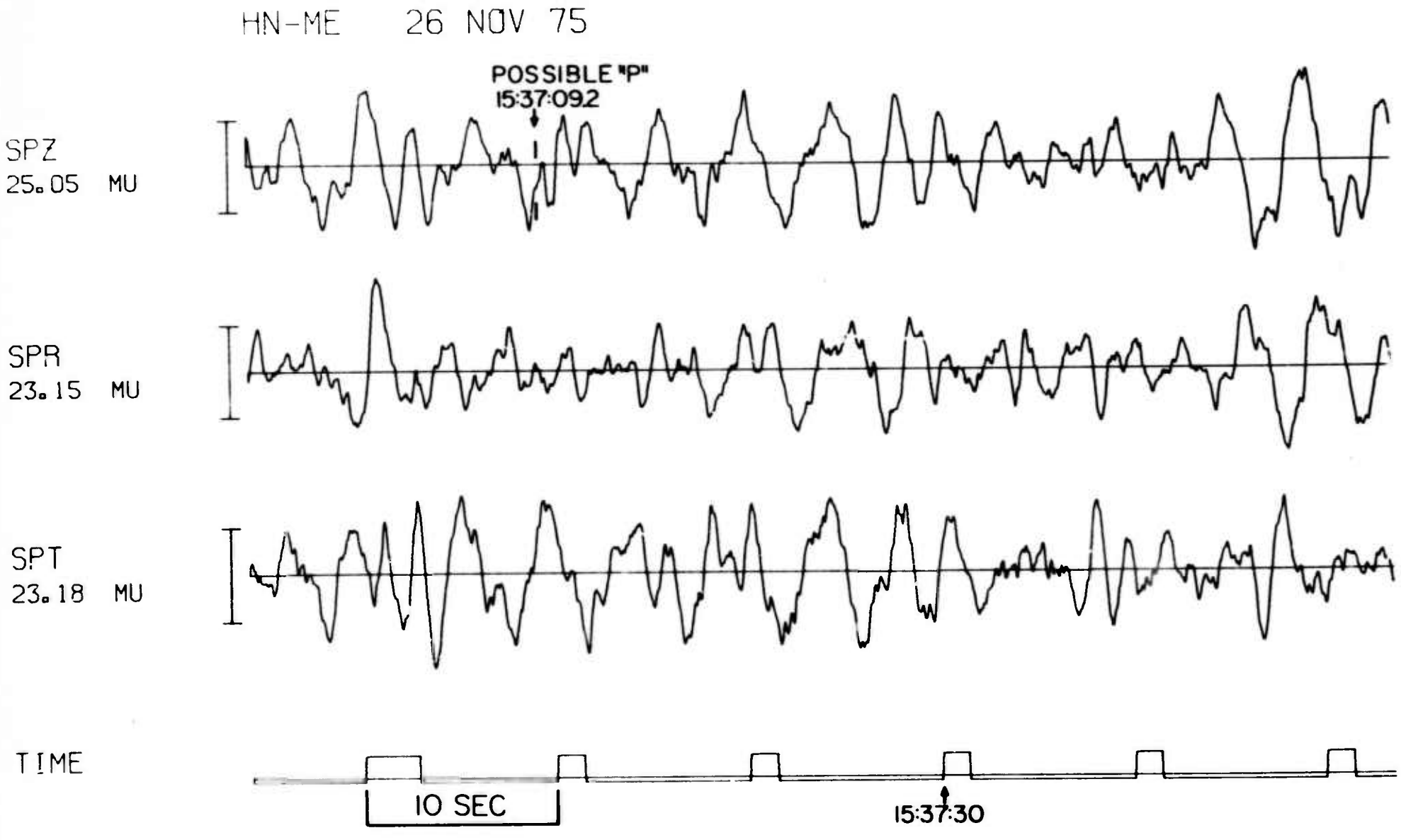
Average m_b = 5.5

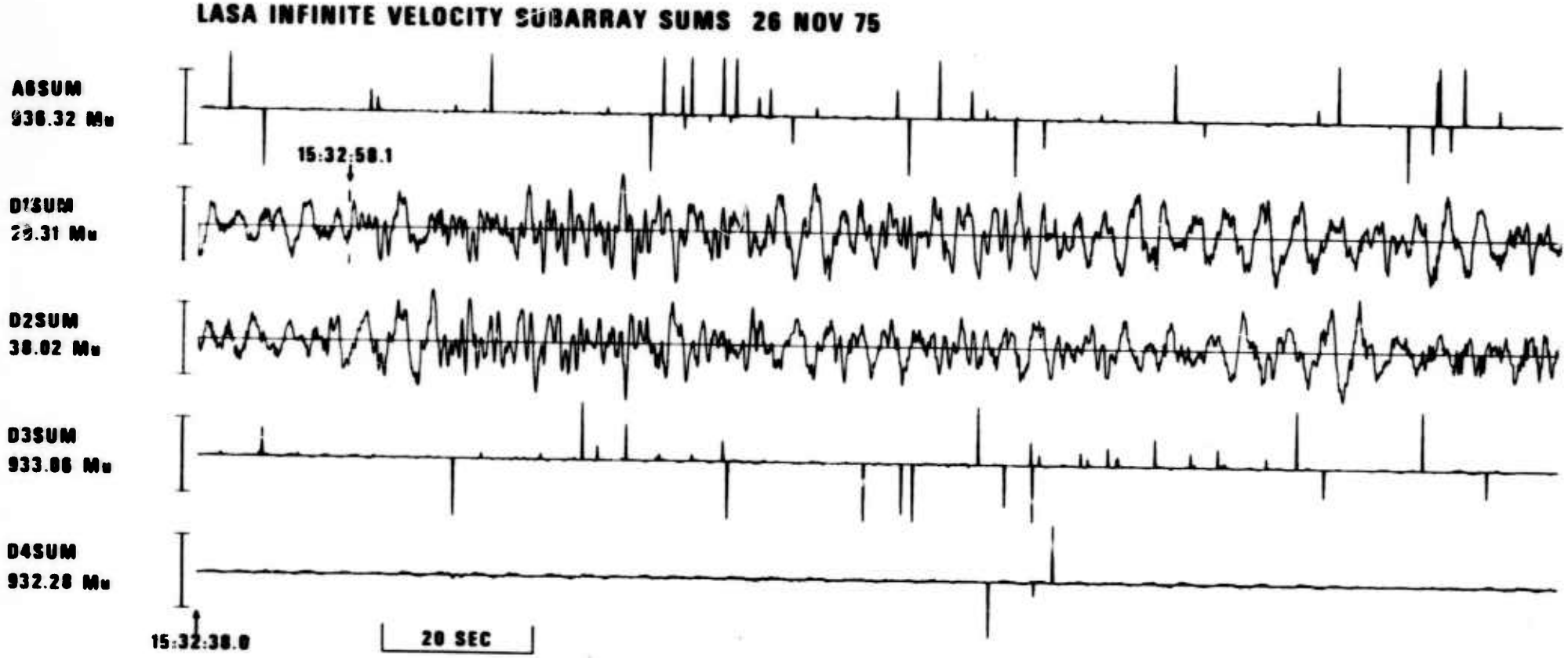
* For event source at surface

** Distances are calculated to 37N lat., 116W long.


RK-ON 26 NOV 75
15:34:45.1
SPZ
39.36 MU
SPR
25.26 MU
SPT
14.30 MU
TIME
10 SEC
15:35:00


CPSO 26 NOV 75
POSSIBLE "P"
15:35:22.0
SPZ
21.00 MU
SPR
23.53 MU
SPT
11.72 MU
TIME
10 SEC
15:35:30


HN-ME 26 NOV 75
POSSIBLE "P"
15:37:09.2
SPZ
25.05 MU
SPR
23.15 MU
SPT
23.18 MU
TIME
10 SEC
15:37:30


LASA INFINITE VELOCITY SUBARRAY SUMS 26 NOV 75
A6SUM
936.32 Mu
15:32:58.1
D1SUM
29.31 Mu
D2SUM
38.02 Mu
D3SUM
933.86 Mu
D4SUM
932.28 Mu
15:32:38.0
20 SEC